

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1(Currently Amended) An isolated nucleic acid molecule comprising a nucleotide sequence of SEQ ID NO:3, wherein the nucleic acid molecule encodes a polypeptide comprising an amino acid sequence of SEQ ID NO:2, wherein the polypeptide forms a dimer with mGluR5.

Claims 2-4 (Canceled)

Claim 5 (Currently Amended) An isolated nucleic acid molecule which encodes a polypeptide comprising an amino acid sequence of SEQ ID NO:2, wherein the polypeptide ~~lacks a transmembrane domain~~ forms a dimer with mGluR5.

Claim 6-12 (Canceled)

Claim 13 (Currently Amended) An isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO:1, ~~or a complement thereof~~ wherein the encoded polypeptide forms a dimer with mGluR5.

Claim 14 (Currently Amended) An isolated nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2, wherein the polypeptide forms a dimer with mGluR5.

Claim 15 (Currently Amended) The nucleic acid molecule of any one of claims 1, 4, 5 and ~~40-44~~ 13-14, further comprising vector nucleic acid sequences.

Claim 16 (Currently Amended) The nucleic acid molecule of any one of claims 1, 4, 5 and ~~40-44~~ 13-14, further comprising nucleic acid sequences encoding a heterologous polypeptide.

Claim 17 (Currently Amended) A host cell which contains the nucleic acid molecule of any one of claims 1, 4, 5 and ~~40-44~~ 13-14.

Listing of Claims (Continued)

Claim 18 (Original) The host cell of claim 17 which is a mammalian host cell.

Claim 19 (Currently Amended) A non-human mammalian host cell comprising the nucleic acid molecule of claim any one of claims 1, 4, 5 and ~~40-44~~ 13-14.

Claims 20-35 (Canceled)

Claim 36 (Currently Amended) A method for producing a polypeptide encoded by the nucleic acid molecule of any one of claims 1, 4, 5 and ~~40-44~~ 13-14, comprising culturing a host cell which contains the nucleic acid molecule, under conditions in which the nucleic acid molecule is expressed.

Claim 37-58 (Canceled)